

*Dysopes*.—I know of but one Indian species of this genus, which is the *Vespertilio plicatus* of Buchanan Hamilton, Linn. Trans. v. 261; the *Nyctinomus bengalensis* of M. Geoffroy; and I am inclined to regard the *D. murinus* of Hardwicke's published drawings as no other, indifferently represented. I was favoured with a live specimen of this animal by Mr. Ridsdale, of Bishop's College Press, and lately obtained another which flew in at a window: Mr. Masters also has presented the Society with a stuffed one: all of these being much of a "snuff-brown" colour, the fur of the under-parts tipped paler: but there is an old specimen of what may perhaps be another species in the museum, the fur of which is remarkably close and velvety, and very dark fuliginous brown above, with a shade of maroon, the under-parts similar, but paler and somewhat reddish. So far as I can judge from the state of the specimen, it presents however no structural characters at variance with those of the other that can warrant its being distinguished as a species; but I yet suspect that it is a different species from the *plicatus*\*. The affinity of this genus for *Taphozous* is very apparent in the living or recent specimens, the present group having even the same peculiar mode of folding the wings, which is not the case even with *Rhinopoma*, wherein there is merely a tendency or inclination to that particular mode of duplicature of the wings.

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 PROCEEDINGS OF LEARNED SOCIETIES.

## ZOOLOGICAL SOCIETY.

Dec. 10, 1844.—William Yarrell, Esq., Vice-President, in the Chair.

Descriptions of new species of *Mitra* and *Cardium*, by Lovell Reeve, Esq. :—

## CARDIUM.

**CARDIUM INCARNATUM.** *Card. testâ gibboso-globosâ, longitudinaliter costatâ, costis quatuor et viginti, rotundis, complanatis, margines versus medio obsoletè brevispinosis, interstitiis angustis, subprofundis, transversim striatis; pallidè incarnatâ, radiis roseis transversis hic illic ornatâ.*

Conch. Icon., *Cardium*, pl. 1. f. 2.

*Hab.* Bay of Manila (found in sandy mud at the depth of six fathoms); Cuming.

A warm flesh-tinted shell, of which Mr. Cuming collected a few odd valves in the above-mentioned locality, and has lately received several perfect pairs.

**CARDIUM MINDANENSE.** *Card. testâ subobliquè cordiformi, longitudinaliter costatâ, costis novem et viginti, squamiferis, squamis*

\* It is probably the Malayan *D. tenuis*, v. *Nyctinomus tenuis*, Horsfield.

*numerosis, confertis, posticè fornicatis, costarum interstitiis subprofundis; albidâ, fusco hic illic nebulosâ; intus posticè vividè purpurascente.*

Conch. Icon., *Cardium*, pl. 4. f. 19.

*Hab.* Cagayan, island of Mindanao, Philippines (found among sand at low water); Cuming.

The vaulted structure of the scales in this species is about intermediate in its character between that of the scales of the *Cardia consors* and *isocardia*.

**CARDIUM AUSTRALIENSE.** *Card. testâ transversè ovatâ, Donaci-formi, medio subcontractâ, posticè flexuoso-angulatâ, subrostratâ, anticè compresso-attenuatâ; dimidio postico radiatim sulcato, antico lævigato, nitente; albidâ, areâ posticâ strigis brevibus fuscis utrinque ornatâ.*

Conch. Icon., *Cardium*, pl. 5. f. 24.

*Hab.* Port Lincoln, South Australia; Harvey.

This shell may be chiefly distinguished from the *Cardium Donaci-forme*, to which it is in many respects allied, by the contracted flexuous prolongation of the posterior portion, and by the peculiarity of one half of the shell being conspicuously grooved, whilst the other half is smooth and shining.

**CARDIUM OVIPUTAMEN.** *Card. testâ obliquè ovatâ, tenui, ventricosâ, radiatim tenuissimè striatâ; nivedâ, opacâ, strigis lineisve rosaceo-fuscescentibus exilibus undatis concentricè nebulosâ, epidermide pallidâ margines versus indutâ; marginibus intus subtiliter crenulatis.*

Conch. Icon., *Cardium*, pl. 7. f. 36.

*Hab.* — ?

The general appearance of this and the following species is very like that of the *Cardium serratum*; both however are of a less oblique form, and the *Cardium oviputamen* under consideration is more ventricose.

The concentrically waved pinkish brown marks above noticed, though faintly indicated, are nevertheless characteristic, as distinguished from those of a different pattern, in the following species.

**CARDIUM VITELLINUM.** *Card. testâ obliquè ovatâ, tenuiculâ, radiatim striatâ; lutescente-albâ, maculis parvis numerosis rosaceo-fuscescentibus umbones versus copiosè lentiginosâ, epidermide luteâ indutâ; marginibus intus crenulatis.*

Conch. Icon., *Cardium*, pl. 7. f. 37.

*Hab.* — ?

This shell is of a less ventricose ovate structure than the preceding, and farther distinguished by its different tinge and style of colouring.

**CARDIUM HYSTRIX.** *Card. testâ subquadrato-cordatâ, posticè concavo-angulatâ, radiatim costatâ, costis ad duas et triginta, angustis, compressis, posticis squamulis brevibus, cæteris spinis squamæformibus erectis, umbones versus subinflexis, elegantissimè ornatâ; costarum interstitiis striis elevatis transversim subtiliter*

*cancellatis; albidâ, costarum interstitiis pallidè rosaceis, lined vividè coccinèâ utrinque pictis; intus purpureo-rufescente.*

Conch. Icon., *Cardium*, pl. 8. f. 40.

Var.  $\beta$ . *Testâ extus omninò nivedâ.*

*Hab.* Island of Corrigidor, Philippines (found in coarse sand at the depth of about seven fathoms); Cuming.

The exquisite delicacy and beauty of this shell is remarkable; each rib is surmounted with a close-set row of slender scale-like spines, and the interstices are minutely cancellated; they are moreover tinged with pink, and down each side of the ribs is a bright scarlet line.

There is another very beautiful small specimen of the *Cardium hystrix* in the collection of Miss Saul; and Mr. Cuming is also in possession of two of the white variety.

**CARDIUM RUBICUNDUM.** *Card. testâ oblongo-ovatâ, vix obliquè, radiatim costatâ, costis acutè convexis, septem et triginta, quarum anticâ squamoso-crenatâ, medianâ utrinque obtuso-squamatâ, posticâ tuberculatâ; rubicundâ, umbones versus albicante rubido-fusco maculatâ; marginibus intus vividè rubris.*

Conch. Icon., *Cardium*, pl. 9. f. 44.

*Hab.* Zanzibar, east coast of Africa.

An extremely pretty species, remarkable for its vivid colouring and for the elaborate character of its sculpture.

**CARDIUM ASSIMILE.** *Card. testâ oblongo-ovatâ, obliquè radiatim costatâ, costis quinque et triginta, basi latis, approximatis, summitatem versus attenuatis, anticis crenatis, postremis tuberculatis, medianis levibus, lateraliter subtilissimè impresso-serratis; pallidè purpureo-rufescente, umbones versus albicante, maculis sparsis variegatâ.*

Conch. Icon., *Cardium*, pl. 9. f. 45.

*Hab.* Zanzibar, east coast of Africa.

This species approximates very closely to the *Cardium subelongatum*, yet there are differences which cannot be overlooked; it has a greater number of ribs and the ribs are of another structure.

#### MITRA.

**MITRA NORRISII.** *Mitr. testâ elongato-ovatâ, crassâ, solidâ, spirâ subobtusâ-acuminatâ; striis transversis et longitudinalibus, elevatis, confertis, undique subtilissimè reticulatâ aut clathratâ, transversis prominentioribus; eburnè, epidermide corneâ, tenui, nigerrimâ; columellâ sexplicatâ.*

Conch. Icon., *Mitra*, pl. 1. f. 6.

*Hab.* — ?

I have much pleasure in dedicating this fine species, so entirely distinct from any hitherto described, to Thomas Norris, Esq., a worthy and esteemed patron of the natural sciences, whose magnificent collection of Mitres has so greatly contributed to the completeness of my monograph in the work above referred to. It is impossible to convey an adequate idea of the finely reticulated sculpture

of this unique shell by a lithographed figure, it being so fine that the interstices of the net-work resemble minute punctures.

MITRA DENNISONI. *Mitr. testâ fusiformi, spirâ attenuato-acuminatâ, anfractibus subconcentricè costatis, transversim sulcatis, sulcis angustis, costas super plus minusve obsolete; rubido-aurantiâ, zonâ unicâ albâ cingulatâ, cærulescente-olivaceo inter costas peculiariter tinctâ; columellâ quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 3. f. 14.

*Hab.* Puteao, province of Albay, island of Luzon, Philippines (found on mud-banks at low water); Cuming.

I dedicate this fine species with much pleasure, at the particular request of Mr. Cuming, to J. Dennison, Esq., a gentleman who has acquired considerable fame in the conchological world on account of the very choice and select character of his collection of shells.

MITRA FLOCCATA. *Mitr. testâ elongato-ovatâ, crassiusculâ, lævigatâ, punctorum seriebus undique cinctâ; lutescente-spadiced, albo longitudinaliter floccatâ; columellâ quadriplicatâ, labro prope basin crenato.*

Conch. Icon., *Mitra*, pl. 3. f. 16.

*Hab.* — ?

The specimen here figured, from the collection of Mr. Cuming, is the only one of the species I am acquainted with.

MITRA SOLIDA. *Mitr. testâ ovato-elongatâ, crassâ, solidâ, spirâ subturritâ; anfractibus numerosis, convexis, lævigatis, transversim sulcatis, sulcis angustis, striis subtilissimis prope suturas decussatis; spadiceo-fulvâ, albo sparsim et irregulariter floccatâ; columellâ quinqueplicatâ.*

Conch. Icon., *Mitra*, pl. 3. f. 18.

*Hab.* — ?

This interesting species may be recognized by its many convex, deep-sutured whorls; and the whorls, being longitudinally striated near the sutures, exhibit a slight cancellated appearance.

MITRA INQUINATA. *Mitr. testâ fusiformi-oblongâ, subangustâ, spirâ acuminatâ, transversim impresso-striatâ, striis puncturatis; eburneâ, rubido-fusco longitudinaliter inquinatâ; columellâ quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 5. f. 29.

*Hab.* — ?

Though a species of very simple character, it is quite distinct from any hitherto described.

MITRA GRACILIS. *Mitr. testâ elongatâ, spirâ valdè productâ, suturis subprofundis; anfractibus transversim subtilissimè costatis, costis angustis irregularibus, interstitiis-liris obtusis minutissimis pulcherrimè decussatis; albâ, fuscescente pallidè fasciatâ, costis fusco articulatis; columellâ quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 5. f. 31.

*Hab.* Island of Ticao, Philippines (found in sandy mud at the depth of six fathoms); Cuming.

A most delicately sculptured shell, with somewhat the character of the *Mitra granatina* about it.

**MITRA DECLIVIS.** *Mitr. testâ elongato-turritâ, basi truncatâ, spirâ acuminatâ; anfractibus supernè angulato-declivibus, lævibus, transversim exilissimè impressis; cinereo-carned, epidermide nigerrimâ; columellâ quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 6. f. 44.

*Hab.* — ?

This shell appears to be quite distinct from the *Mitra glabra*; there is no appearance of transverse brown lines, the whorls are angularly bent next the suture, and the spire is more sharply acuminated.

**MITRA COCCINEA.** *Mitr. testâ elongato-fusiforimi, spirâ acuminatâ; anfractibus longitudinaliter obtuso-costatis, interstitiis transversim elevato-striatis, anfractûs ultimi costis subevanidis; vividè coccinea aut lutescente, balteo unico albo cingulatâ; columellâ quadruplicatâ.*

Conch. Icon., *Mitra*, pl. 7. f. 49.

*Hab.* Islands of Masbate and Luzon, Philippines (found on the reefs at low water); Cuming.

This species may be easily recognized by its peculiarity of colouring,—bright scarlet, encircled by a simple white belt.

**MITRA TUMIDA.** *Mitr. testâ abbreviato-fusiforimi, spirâ brevî, apice acuto; anfractibus tumidis, supernè plano-angulatis, longitudinaliter rudè costatis, costis ad angulum noduloso-tumidis; albidd aut virescente, anfractibus ad angulum rufo tinctis, ultimo balteo nigro latiusculo cingulato; columellâ tri- aut quadriplicatâ; aperturâ fauce nigricante-fuscâ.*

Conch. Icon., *Mitra*, pl. 8. f. 51.

*Hab.* New Holland.

A few specimens of this peculiarly swollen shell were lately brought from New Holland in H.M.S. *Beagle*.

**MITRA RUPICOLA.** *Mitr. testâ abbreviato-fusiforimi, in medio obesusculâ, spirâ attenuatâ; anfractibus supernè angulatis, costis latiusculis obtusis longitudinalibus et transversis decussatis, ad decussationem nodosis; carned, epidermide fuscâ, corned, crassâ, ad apicem erodâ, indutâ; columellâ triplicatâ.*

Conch. Icon., *Mitra*, pl. 8. f. 53.

*Hab.* St. Elena, West Columbia (dredged from a rocky bottom at the depth of fourteen fathoms); Cuming.

A new and very distinct species, at present unique in the collection of Mr. Cuming.

**MITRA BALTEOLATA.** *Mitr. testâ fusiformi, spirâ acuminato-turritâ; anfractibus transversim elevato-striatis, longitudinaliter costatis, costis confertis, anfractûs ultimi subevanidis; balteolis nigris duobus in medio cingulatis, supra cinereo-albidd, lined unicâ fuscâ circum-ornatâ, infra aurantid, interdum cinereo-viridescente tinctâ, apice fusco; columellâ quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 8. f. 54.

*Hab.* Mollucca and Philippine Islands (found at the islands of Zebu and Burias, under stones at low water); Cuming.

Allied to the *Mitra plicata*.

MITRA CHALYBEIA. *Mitr. testâ elongato-ovatâ, basin versus sulcatâ; anfractibus convexis, lævigatis, juxta suturas rudè subtilissimè crenulatis; cinereo-cærulescente alboque longitudinaliter strigatâ, transversim indistinctè fasciatâ, lineis rubido-fuscis æquidistantibus undique cingulatâ; columellâ rufo-aurantiâ, quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 9. f. 59.

*Hab.* — ?

A new and very characteristic species, at present unique in the collection of H. Cuming, Esq.

MITRA FULGURITA. *Mitr. testâ cylindræco-elongatâ, subangustâ, transversim impresso-striatâ, striis puncturatis; pallidè spadiceofulvâ, strigis angustis albis longitudinalibus ornatâ; columellâ quinqueplicatâ, subumbilicatâ.*

Conch. Icon., *Mitra*, pl. 9. f. 61.

*Hab.* — ?

An interesting new species, marked with white lightning-like longitudinal streaks.

MITRA LIGNARIA. *Mitr. testâ oblongo-ovatâ, crassiusculâ, spirâ acuminato-productâ; anfractibus supernè depressis, longitudinaliter subobliquè obtuso-costatis, transversim subtiliter liratis, liris binis; rubido-aurantiâ, epidermide fuscâ indutâ; columellâ quadriplicatâ; aperturâ breviusculâ.*

Conch. Icon., *Mitra*, pl. 9. f. 64.

*Hab.* St. Elena, West Columbia (dredged from rocky ground at the depth of about fourteen fathoms); Cuming.

This shell has somewhat the character of the *Mitra rupicola* found in the same locality; the spire is however longer, the aperture consequently shorter, and the sculpture is of a different character.

MITRA LACUNOSA. *Mitr. testâ oblongo-ovatâ, spirâ breviusculâ, transversim sulcatâ, sulcis confertis, regularibus, profundè puncturatis; longitudinaliter lacunosâ, lacunis subconcentricè undatis; albicante, aurantio-fuscescente prope apicem maculatâ, anfractu ultimo fasciâ latiusculâ aurantio-fuscescente cingulato; columellâ quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 10. f. 65.

*Hab.* — ?

This species is characterized, independently of its peculiar style of colouring, by numerous longitudinal waved grooves or gutters having the appearance of sea-breaks.

MITRA PELLIS-SERPENTIS. *Mitr. testâ oblongo-ovatâ, crassâ, solidâ, spirâ subacuminatâ, liris plano-granulatis transversis et longitudinalibus subtilissimè decussatâ; intus extusque lutescente; columellâ quadriplicatâ; labro supernè contracto, intus striato-crenulato.*

Conch. Icon., *Mitra*, pl. 10. f. 66.

*Hab.* Islands of Mindoro and Bohol, Philippines (found under stones at low water); Cuming.

The granular coriaceous sculpture of this shell varies considerably in different individuals.

**MITRA CUMINGII.** *Mitr. testá ovatá, utrinque attenuatá, spirá acuminato-turritá; anfractibus supernè angulatis, longitudinaliter costatis, costis numerosis, ad angulum mucronatis, liris transversis angustis cancellatis, interstitiis impressis; aurantio alboque peculiariter maculato-variegatá, maculis aurantiis nigro-lineatis; columellá quadriplicatá.*

Conch. Icon., *Mitra*, pl. 10. f. 67.

*Hab.* Matnog, province of Albay, island of Luzon (found on the reefs); Cuming.

I dedicate this species to H. Cuming, Esq., as being one of the most beautiful and characteristic of the many interesting new Mitres collected by that indefatigable naturalist during his researches amongst the Philippine Islands.

**MITRA RUBIGINOSA.** *Mitr. testá elongato-ovatá, subfusiformi, transversim crebrisulcatá, sulcis puncturatis; albá, rubiginoso-tinctá; columellá quinqueplicatá, plicis infimis subobscuris.*

Conch. Icon., *Mitra*, pl. 10. f. 68.

*Hab.* Island of Ticao, Philippines (found on the reefs at low water); Cuming.

The iron-mould spots on this shell exhibit rather a tessellated style of arrangement.

**MITRA INTERLIRATA.** *Mitr. testá subelongatá, spirá acutá, transversim lirátá, liris numerosis, acutiusculis, lirá minore intercurrente, interstitiis striis longitudinalibus elevatis cancellatis; albá, maculis perpaucis distantibus aurantio-fuscescentibus tinctá; columellá subumbilicatá, quinqueplicatá, plicis infimis subobscuris; basi leviter ascendente; aperturá longiusculá.*

Conch. Icon., *Mitra*, pl. 10. f. 70.

*Hab.* Island of Masbate, Philippines (found in sandy mud at the depth of four fathoms); Cuming.

The narrow intermediate ridge forms a prominent feature in this species.

**MITRA ZEBUENSIS.** *Mitr. testá subfusiformi, nitidá, basin versus sulcatá, liris planiusculis, confertis, subtilissimè cancellatá, liris longitudinalibus fortioribus; albidá, anfractuum parte superiori maculis grandibus perpaucis castaneo-fuscis ornatá; columellá quinqueplicatá.*

Conch. Icon., *Mitra*, pl. 10. f. 73.

*Hab.* Island of Zebu, Philippines (found on the reefs at low water); Cuming.

The brown spots being situated around the upper part of the whorls give an irregular tessellated character to the spire.

**MITRA INFECTA.** *Mitr. testá ovatá, basi recurvâ, spirá acuminatá; anfractibus striis impressis cinctis, ultimo tumidiusculo; pallidè flavâ, maculis castaneo-fuscis pictâ; columellâ obsoletè seaplicatâ.*

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Conch. Icon., *Mitra*, pl. 11. f. 75.

*Hab.* Island of Annaa, Pacific Ocean (found on the reefs at low water); Cuming.

A solid, rather ventricose shell, with a peculiar twist at the base.

*MITRA ACUPICATA.* *Mitr. testá acuminato-turritá, anfractibus convexis, numerosis, longitudinaliter crebriliratis, transversim impresso-striatis; albidd, apice basique rosaceis, liris punctis cæruleis et fuscis profusè variegatis; columellá quadruplicatá.*

Conch. Icon., *Mitra*, pl. 11. f. 76.

*Hab.* Zanzibar, east coast of Africa.

The surface of this beautiful shell has the appearance of being curiously embroidered with small coloured beads.

*MITRA OBESA.* *Mitr. testá abbreviato-ovatá, solidá, supernè valdè obesá, spirá brevissimá, sulcis spiralibus et radiantibus decussatim impressá; anfractu ultimo basin versus sulcato, supra levigato; albá, lineis rubido-fuscis remotiusculis cingulatá, epidermide vivide viridescente omnind indutá; columellá sexplicatá.*

Conch. Icon., *Mitra*, pl. 12. f. 87.

*Hab.* — ?

I have no information concerning the locality of this extremely interesting species, of which there is an example in the collection of Thomas Norris, Esq.

*MITRA USTULATA.* *Mitr. testá elongatá, spirá angusto-acuminatá, transversim subtilissimè striatá; albidd, lineis capillaribus fuscescentibus remotiusculis cingulatá, maculis grandibus ustulato-fuscis nebulosá; columellá sexplicatá.*

Conch. Icon., *Mitra*, pl. 13. f. 89.

*Hab.* — ?

This species is at present unique in the collection of Thomas Norris, Esq.

*MITRA CREBRILIRATA.* *Mitr. testá acuminato-turritá, longitudinaliter subobliquè lirata, liris angustis, crebris, interstitiis impresso-cancellatis; olivaced vel olivaceo-fuscá, lineá unicá pallidá infra suturas plerumque cinctá; columellá quadruplicatá.*

Conch. Icon., *Mitra*, pl. 13. f. 92.

*Mitra rosea*, Kiener (not of Duclos).

*Hab.* Ceylon.

Figured by M. Kiener for the *Mitra rosea* of Duclos, which is the *Voluta ignea*, Wood, *Mitra subulata*, Lamarek.

*MITRA POLITA.* *Mitr. testá acuminato-turritá, levigatá, politá, ad basin sulcatá, prope apicem subtilissimè plicato-costatá; fuscá vel cinereo-fuscá, lined unicá pallidè flavicante cingulatá; columellá quadruplicatá.*

Conch. Icon., *Mitra*, pl. 13. f. 94.

*Hab.* Islands of Zebu and Luzon, Philippines (found in mud on the shore at low water, and at the depth of six or seven fathoms); Cuming.

At the desire of one or two gentlemen whose opinions in concho-



logical matters cannot be lightly esteemed, I have described the *Mitra polita* and *crebrilirata* as new and distinct species; it must be admitted, however, that I have felt strongly inclined to regard the former as the Eastern analogue of the *Mitra ebenus*, smooth variety, of the Mediterranean, and the latter as the analogue of the *Mitra ebenus*, ribbed variety, of the same region.

**MITRA VARIABILIS.** *Mitr. testâ oblongo-ovatâ, medio subobesâ, lævigatâ, transversim subtilissimè punctato-striatâ; lutescente-olivaceâ, lineis fuscis capillaribus remotiusculis cinctâ, anfractu ultimo zonâ unicâ cærulescente-albâ medio ornato; columellâ quadriplicatâ; aperturæ fauce olivaceo-fuscâ.*

Conch. Icon., *Mitra*, pl. 13. f. 95.

*Hab.* Torres Strait (found under stones at low water); Dring.

The variable character of this species consists in its being sometimes flaked or indistinctly streaked with bluish white.

**MITRA CYLINDRACEA.** *Mitr. testâ cylindraceo-ovatâ, utrinque attenuatâ, sulcis capillaribus puncturatis, supernè remotiusculis, cingulatâ; lutescente-olivaceâ, maculis albis irregularibus infra suturas ornatâ, anfractu ultimo in medio maculato-fasciato; columellâ quadriplicatâ; aperturæ fauce fusciscente.*

Conch. Icon., *Mitra*, pl. 13. f. 97.

*Hab.* — ?

The painting of this shell is not much unlike that of the *Mitra variabilis*.

**MITRA PULLATA.** *Mitr. testâ fusiformi, spirâ acuminato-turritâ; anfractibus supernè subangulatis, transversim impresso-striatis, longitudinaliter plicato-costatis, costis supernè obtuso-mucronatis; aurantio-lutescente, lineâ subtilissimâ fuscâ cingulatâ, anfractu ultimo fasciâ latâ nigricante-fuscâ ornatâ; columellâ quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 14. f. 102.

*Hab.* Island of Ticao, Philippines (found on the reefs); Cuming.

The *Mitra pullata* is exactly intermediate between the *Mitræ balteolata* and *plicata*, differing sufficiently from both to constitute a distinct species.

**MITRA OLEACEA.** *Mitr. testâ oblongo-ovatâ, Bucciniformi, spirâ brevi; anfractibus convexis, lævigatis, epidermide corned olivaceo-fuscâ nitidâ indutâ; columellâ quadriplicatâ, basi truncatâ; labro in medio leviter contracto.*

Conch. Icon., *Mitra*, pl. 14. f. 105.

*Hab.* — ?

There is a peculiarity in the form of this species which distinguishes it from any other of the *Melania*-like group.

**MITRA OBELISCUS.** *Mitr. testâ acuminato-turritâ, spirâ acutâ; anfractibus longitudinaliter costatis, costis angustis, crebris, interstitiis impresso-cancellatis; lutescente-fuscâ, lineâ unicâ albâ cingulatâ; columellâ quadriplicatâ, basi contorto-recurvâ.*

Conch. Icon., *Mitra*, pl. 15. f. 107.

*Hab.* Bais, island of Negros, Philippines (found among coarse sand and stones at the depth of seven fathoms); Cuming.

The whorls are numerous in this species and rather contiguous.

*MITRA FUNEREA.* *Mitr. testá abbreviato-fusifirmi, spirá acutá; anfractibus rotundis, liris transversis et longitudinalibus creberrimè decussatis, anfractu ultimo lævigato, ad basin sulcato; fuscá, balteo unico angusto flavicante cingulato; columellá triplicatá, basi recurvá.*

Conch. Icon., *Mitra*, pl. 15. f. 108.

*Hab.* Pasacao, South Camarinos, island of Luzon, Philippines (found in sandy mud at the depth of six fathoms); Cuming.

The whorls of the spire have a peculiar rounded decussated appearance, with the yellow belt just falling in the sutural depression.

*MITRA VARIEGATA.* *Mitr. testá suboblongo-ovatá, transversim regulariter sulcatá, anfractuum limbo superiori subobsoletè crenulato; albídá, olivaceo-spadiceo nebulatá et variegatá; columellá quinqueplicatá.*

Conch. Icon., *Mitra*, pl. 15. f. 111.

*Hab.* Islands of Ticao and Mindanao, Philippines (found on the reefs at low water); Cuming.

The whorls of this shell are very slightly angulated, and the clouded variegated painting only appears below the angle.

*MITRA CÆRULEA.* *Mitr. testá subfusiformi-oblongá, transversim regulariter sulcatá, sulcis angustis, puncturatis; cærulescente-albicante, anfractu ultimo, fasciá latissimá cæruleá, marginibus albimaculatis, cincto; basi et aperturæ fauce aurantio-fuscescentibus; columellá quinqueplicatá, umbilicatá.*

Conch. Icon., *Mitra*, pl. 15. f. 113.

*Hab.* Islands of Ticao and Capul, Philippines (found on the reefs at low water); Cuming.

The white flake-like spots which appear on the upper edge of the blue band of the last whorl are just visible on the whorls of the spire above the sutures.

*MITRA FULGETRUM.* *Mitr. testá subfusiformi, solidiusculá; anfractibus supernè leviter angulatis, transversim impresso-sulcatis, sulcis angustis, subtilissimè puncturatis; rubido-castaneá, strigis albis prominentibus undatis longitudinaliter ornatá; columellá quadriplicatá.*

Conch. Icon., *Mitra*, pl. 15. f. 115.

*Hab.* Island of Burias, Philippines (found under stones at low water); Cuming.

The white longitudinal waved streaks are very strikingly depicted.

*MITRA PRETIOSA.* *Mitr. testá fusiformi, spirá acuminato-turritá, transversim subtiliter costatá, longitudinaliter confertim impresso-sulcatá; suturis subprofundis; albídá, rubido-fusco balteatá et punctatá.*

Conch. Icon., *Mitra*, pl. 15. f. 116.

*Hab.* — ?

In painting this shell reminds one of the *Mitra crenifera*; the sculpture is however of a quite different pattern.

**MITRA GRUNERI.** *Mitr. testâ abbreviato-fusiforimi, subharpæformi, spirâ brevi, turritâ, acutâ; longitudinaliter acutè costatâ, costis supernè mucronato-tuberculatis, anfractuum parte superiori plano-angulatâ; olivaceo-viridescente, lineis tribus rubido-fuscis subdistantibus inter costas seriatim pictâ; columellâ quinqueplicatâ.*

Conch. Icon., *Mitra*, pl. 16. f. 119.

*Hab.* Island of Masbate, Philippines (found on the reefs at low water); Cuming.

It is somewhat a matter of surprise that this very characteristic species, which is not uncommon, has never been described. I dedicate it with much pleasure to E. L. G. Gruner, Esq., of Bremen.

**MITRA CALIGINOSA.** *Mitr. testâ ovato-fusiforimi, solidiusculâ, spirâ breviusculâ; anfractibus convexis, lævigatis, transversim impresso-striatis; albâ, epidermide corned nigricante undique indutâ; columellâ quinqueplicatâ.*

Conch. Icon., *Mitra*, pl. 16. f. 121.

*Hab.* — ?

I have no locality for this species, which is a rather solid white shell, closely enveloped by a dark blackish epidermis.

**MITRA FUNICULATA.** *Mitr. testâ abbreviato-fusiforimi, spirâ breviusculâ; anfractibus supernè subangulatis, liris angustis elevatis subdistantibus undique funiculatis, interstitiis striis subtilissimè cancellatis; roseo-albicante, epidermide fuscescente indutâ, liris fuscescente-punctatis; columellâ quadriplicatâ, plicis infimis subobscuris; aperturâ longiusculâ.*

Conch. Icon., *Mitra*, pl. 16. f. 122.

*Hab.* Isle of Plata, West Columbia (found in coral sand at the depth of fourteen fathoms); Cuming.

A species intermediate between the *Mitræ circulata* and *sulcata*.

**MITRA CONCENTRICA.** *Mitr. testâ acuminato-ovatâ, subfusiforimi, longitudinaliter concentricè costatâ, costis supernè mucronatis, interstitiis impresso-striatis; albidâ, ferrugineo-fusco hinc et hinc maculato-tinctâ, ad basinque fasciatâ; columellâ quinqueplicatâ; aperturâ fauce striatâ.*

Conch. Icon., *Mitra*, pl. 17. f. 128.

*Hab.* Isle of Annaa, Pacific Ocean (found on the reefs at low water); Cuming.

This species is very closely allied to the *Mitra mucronata*, from which it only differs in the concentric disposition of the ribs, and in their being denuded of tubercles.

**MITRA SENEGALENSIS.** *Mitr. testâ fusiforimi, spirâ acutè acuminatâ; anfractibus lævigatis, supernè tumidiusculis; livido-olivaceâ, flammulis perpaucis albidis longitudinaliter ornatâ; columellâ triplicatâ; aperturæ fauce livido-castanæ.*

Conch. Icon., *Mitra*, pl. 17. f. 129.

*Hab.* Senegal; Petit.

A very characteristic species, quite distinct from any hitherto described.

**MITRA IMPRESSA.** *Mitr. testâ elongatâ, sub-Terebræformi, longitudinaliter subtiliter costellatâ, costellis lævigatis, interstitiis transversim peculiariter impresso-sulcatis; fuscescente-rubidd, macularum serie unicâ subindistinctâ cingulatâ, costellis albidis; columellâ quinqueplicatâ, basi leviter recurvâ.*

Conch. Icon., *Mitra*, pl. 17. f. 130.

*Hab.* — ?

A truly interesting species, of which this is the only specimen I have seen. It is of a deep brick-red colour, covered with close whitish longitudinal ribs, each whorl being encircled round the middle with an indistinct row of spots of a darker red.

**MITRA SOLIDULA.** *Mitr. testâ oblongo-ovatâ, crassâ, solidâ, spirâ brevi, obtusâ, prope apicem subtilissimè concentricè sulcatâ; anfractibus convexis, lævigatis, transversim exiliter striatis; olivaceo-fuscâ, plicis albis; columellâ concavo-expansâ, callositate albicante supernè armatâ, quadriplicatâ; labro peculiariter planulato, supernè canaliculato, intus crenulato.*

Conch. Icon., *Mitra*, pl. 18. f. 133.

*Hab.* Island of Corrigidor, bay of Manila (found under stones at low water); Cuming.

This is a species of an interesting group of shells, of which the *Mitra Ziervogeliana* forms the type, distinguished by their solid structure, the prominent development of the columellar plaits, the presence of a callosity, and the peculiar flattened surface of the outer lip.

**MITRA LIVIDA.** *Mitr. testâ subquadrato-ovatâ, spirâ breviusculâ, acutâ; anfractibus lævigatis, longitudinaliter costatis, costis tumidis, infernè evanidis; livido-olivaceâ, balteo unico angusto cingulatâ, costis olivaceo-lutescentibus; columellâ quadriplicatâ; labro leviter sinuato; aperturæ fauce pallidè lividd, striatâ.*

Conch. Icon., *Mitra*, pl. 18. f. 134.

*Hab.* — ?

I am much indebted to M. Deshayes for the loan of this very interesting species, of which I know no other specimens.

**MITRA CHOAVA.** *Mitr. testâ ovatâ, solidâ, glabrâ, spirâ brevi; nigricante-fuscâ, plicis albis; columellâ concavâ, callositate armatâ, quadriplicatâ; labro peculiariter planulato, supernè canaliculato, intus crenulato.*

Conch. Icon., *Mitra*, pl. 18. f. 135.

*Hab.* Isle of Johanna, Mozambique Channel; Hennah.

The characters of the *Mitra choava* are very similar to those of the *Mitra solidula* and *anthracina*; each species may, however, be fully distinguished by its difference of form and other minor peculiarities.

**MITRA ANTHRACINA.** *Mitr. testâ acuminato-ovatâ, spirâ acutâ, glaberrimâ; anthracinâ; columellâ subconcavâ, quadriplicatâ, cal-*

*lositate parvâ, supernè armatâ; labro peculiariter planulato, supernè leviter canaliculato, intus crenulato.*

Conch. Icon., *Mitra*, pl. 18. f. 137.

*Hab.* Island of Ticao, Philippines (found on the reefs at low water); Cuming.

Very closely allied to the *Mitra solidula*, but of a more elongated form, with a smooth shining surface.

**MITRA ROBUSTA.** *Mitr. testâ ovatâ, crassâ, spirâ brevi, subobtusâ; anfractibus tumidiusculis, transversim sulcatis, basin versus præcipuè, longitudinaliter concentricè plicato-rugosis; rubido-fuscâ; columellâ concavâ, quadriplicatâ, callositate armatâ; labro incrassato, planulato, supernè canaliculato, intus crenulato.*

Conch. Icon., *Mitra*, pl. 18. f. 140.

*Hab.* — ?

This species partakes of the characters of the *Mitræ Woldemarii* and *Ziervogeliana* in about equal proportions.

**MITRA PULCHELLA.** *Mitr. testâ acuminato-ovatâ, spirâ subturritâ, longitudinaliter costellatâ, costellis angustis, planis, confertiusculis, basin versus subgranosis, transversim impresso-striatis; aurantio-lutescente, fasciâ purpurascente inter costas ornatâ; columellâ quinqueplicatâ.*

Conch. Icon., *Mitra*, pl. 19. f. 142.

*Hab.* Island of Barbadoes, West Indies; Humphreys.

The painting of this shell has a very pretty appearance.

**MITRA HISTRIO.** *Mitr. testâ subovatâ, spirâ breviusculâ, longitudinaliter costatâ, costis subobtusis, basin versus granulosis, interstitiis transversim striatis; vividè coccinea, suturis nigris, nigro interdum nebulosâ, balteo albo angusto, balteoque nigro, cingulatâ; columellâ quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 19. f. 144.

*Hab.* — ?

A gaily-coloured scarlet shell more or less banded and bedaubed with black.

**MITRA RUBRITINCTA.** *Mitr. testâ oblongo-ovatâ, crassiusculâ, acutè acuminatâ, transversim undique sulcatâ; albâ, maculis grandibus aurantio-rubris supra infraque seriatim nebuloso-tinctâ; columellâ quadriplicatâ; labro crenulato.*

Conch. Icon., *Mitra*, pl. 19. f. 147.

*Hab.* Island of Ticao, Philippines (found under stones at low water); Cuming.

The surface of this shell is characteristically grooved throughout.

**MITRA SPECIOSA.** *Mitr. testâ obeso-ovatâ, utrinque attenuatâ, transversim impresso-striatâ, longitudinaliter costellatâ, costellis planiusculis, basin versus granulosis; rosaceo-albicante, costis fasciâ latissimâ fuscâ aut purpurascente-fuscâ tinctis, apice rosaceo; columellâ quadriplicatâ, plicâ superâ valdè maximâ.*

Conch. Icon., *Mitra*, pl. 19. f. 148.

*Hab.* Island of Capul, Philippines (found on the reefs); Cuming.

This shell, at a glance, has very much the appearance of the *Mitra pulchella*, but upon examination it will be observed that the dark band which encircles the one is painted on the ribs, whilst in the other it appears in the interstices.

**MITRA CAVEA.** *Mitr. testá ovatá, glabrá, longitudinaliter costellatá, costellis obtusis; cinereo-nigricante, costis macularum albicantium serie unicá ornatis; columellá quadriplicatá.*

Conch. Icon., *Mitra*, pl. 19. f. 149.

*Hab.* — ?

The specimen here described, from the collection of Thomas Norris, Esq., is the only example of the species I have seen.

**MITRA TELESCOPIUM.** *Mitr. testá ovato-fusiforimi, lævigatá, nitidá, transversim punctato-striatá; anfractibus contiguus, ultimo basin versus subcontracto, suturis conspicuis, profundis; cærulescente-albá, anfractu ultimo infernè rufo-castaneo, spiræ apice nigricante; columellá quadriplicatá.*

Conch. Icon., *Mitra*, pl. 20. f. 80.

*Hab.* Island of Ticao, Philippines (found on the reefs at low water); Cuming.

This new and very characteristic shell exhibits the same peculiarly contracted structure as the *Mitra abbatis*, and the whorls have the same contiguous telescope-like appearance.

**MITRA IGNOBILIS.** *Mitr. testá subobeso-fusiforimi, basi leviter recurvâ, spirâ acuminatâ, transversim undique sulcatâ, sulcis confertis, subsuperficiariis; albicante, maculis grandibus ustulato-fuscis seriatim nebulosâ; columellâ serpicatâ, plicis infimis, subobscuris.*

Conch. Icon., *Mitra*, pl. 20. f. 152.

*Hab.* Island of Ticao, Philippines (found on the reefs at low water); Cuming.

In order not to confound this species with one of very similar appearance, the *Mitra ustulata*, it is important to notice that the surface of the former is grooved throughout, whilst that of the latter is very finely striated and marked with rather distant brown hair lines.

**MITRA DECURTATA.** *Mitr. testá abbreviato-ovatâ, subventricosâ, crassâ, solidâ, spirâ brevi, apicem versus acutâ; lævigatâ, infernè sulcatâ; nigerrimo-fuscâ, punctis albidis perpaucis prope basin, linedque albâ conspicuâ infra suturas cinctâ; columellâ quadripliatâ; aperturâ amplâ; labro supernè sinuato et contracto.*

Conch. Icon., *Mitra*, pl. 20. f. 154.

*Hab.* — ?

A fine new species, of which I have seen several examples in an excellent state of preservation.

**MITRA BADIA.** *Mitr. testá acuminato-ovatâ, transversim subtilissimè striatâ; undique badiâ; columellâ quadriplicatâ, plicâ infimâ subobscurâ; aperturâ breviusculâ.*

Conch. Icon., *Mitra*, pl. 20. f. 157.

*Hab.* — ?

This is rather an unsatisfactory species, though certainly not referable to any hitherto described.

*MITRA CADAVEROSA.* *Mitr. testá ovato-turritá, spirá acutá; anfractibus transversim impresso-striatis, supra et infra plus minusve angulatis, longitudinaliter costatis, costis ad angulos exasperato-mucronatis; albá, balteo angusto fuscescente inter costas cingulatá; columellá quadriplicatá; apertura fauce striatá.*

Conch. Icon., *Mitra*, pl. 21. f. 160.

*Hab.* Philippine and Lord Hood's Islands (found under stones at low water); Cuming.

However closely this shell may approximate to the *Mitra exasperata*, it is uniformly white, and always exhibits a strong peculiarity in the band which appears in the interstices and not upon the summit of the ribs.

*MITRA CARNICOLOR.* *Mitr. testá subabbreviato-fusifirmi, liris parvis subobtusis, alternis majoribus, undique cingulatá, liris striis impressis longitudinaliter incisis; extus pallidè carneolo-fuscescente, intus rosaced; columellá quinqueplicatá, plicá infimá subobscurá.*

Conch. Icon., *Mitra*, pl. 21. f. 164.

*Hab.* — ?

A neatly sculptured delicately tinted shell, quite distinct from any hitherto-described species.

*MITRA HINDSII.* *Mitr. testá lanceolato-fusifirmi, spirá acutissimè turritá; anfractibus supernè angulatis, infra angulum leviter contractis, transversim carinato-costatis, costá super angulum prominentiore, interstitiis concavis, subtilissimè elevato-striatis; lutescente, costis spadiceis, epidermide tenui indutá; columellá quadriplicatá, plicis duabus inferioribus ferè obsoletis; apertura fauce subrosacéá.*

Conch. Icon., *Mitra*, pl. 21. f. 165.

*Hab.* Gulf of Nicoya (found in mud at the depth of about seventeen fathoms); Hinds.

This beautiful species, which I have the pleasure of dedicating to a most zealous labourer in the field of conchological research, may be recognised by its graceful form and by the keel-like elevation of the ribs.

*MITRA LATRUNCULARIA.* *Mitr. testá abbreviato-fusifirmi, tenuicula, basi truncatá; transversim undique sulcatá, sulcis angustis, crebris, punctatis; albidá, rubido-castaneo tessellatá et fasciatá; columellá quadriplicatá.*

Conch. Icon., *Mitra*, pl. 21. f. 166.

*Hab.* — ?

A slight thin shell closely grooved throughout, the grooves being minutely punctured and the intermediate ridges prettily tessellated with white and reddish brown.

*MITRA DESHAYESII.* *Mitr. testá subfusiformi, spirá turritá, anfractibus supernè angulatis, ad angulum nodosis, infra lævibus;*

*livido-viridescente, nodis aurantio-coccineis, strigis in medio interruptis e nodis descendentibus; columellâ quadruplicatâ.*

Conch. Icon., *Mitra*, pl. 22. f. 170.

*Hab.* — ?

I have two examples of this extremely interesting species from the collection of M. Deshayes, and two from that of Thomas Norris, Esq.

*MITRA PRUINOSA.* *Mitr. testâ ovato-fusiforâ, spirâ acuminatâ, lineis impressis longitudinalibus et transversis decussatim exsculptis; spadiceo-fuscescente, strigis niveis brevibus angustis e suturis subirregulariter descendentibus; columellâ quadruplicatâ.*

Conch. Icon., *Mitra*, pl. 22. f. 171.

*Hab.* — ?

This is another peculiarly characteristic species for which I have no locality.

*MITRA SOLANDRI.* *Mitr. testâ ovato-oblongâ, crassiusculâ, spirâ elevatâ, apice subobtusâ; undique sulcatâ, sulcis latiusculis, confertis, peculiariter subtilissimè corrugatis, liris intermediis angustis, carinæformibus; pallidè fusco alboque fasciatâ; columellâ quadruplicatâ.*

*Hab.* — ?

An ancient species described many years since in manuscript by Dr. Solander under a name that is occupied.

*MITRA FLAMMIGERA.* *Mitr. testâ fusiformi, spirâ acutè acuminatâ, suturis impressis; anfractibus supernè tumidiusculis, transversim undique liratis, liris alternis majoribus, interstitiis lineis impressis decussatis; albidd, flammis latiusculis spadiceis longitudinalibus pictâ; columellâ quinqueplicatâ.*

Conch. Icon., *Mitra*, pl. 22. f. 173.

*Hab.* — ?

The sculpture of this attractive species approaches very nearly to that of the *Mitra interlirata*, from which it differs more materially in form.

*MITRA LORICATA.* *Mitr. testâ fusiformi, utrinque attenuatâ, spirâ anfractibus plano-convexis; fortiter noduloso-granosis, granis regularibus, seriatim creberrimè digestis; albidd, maculis perpauca aurantio-fuscescentibus hic illic fasciatim tinctâ; columellâ quinqueplicatâ.*

Conch. Icon., *Mitra*, pl. 22. f. 174.

*Hab.* — ?

The entire surface of this species, from the collection of W. Metcalfe, Esq., is very strongly closely granulated.

*MITRA MACULOSA.* *Mitr. testâ oblongo-ovatâ, spirâ breviusculâ, suturis impressis; anfractibus transversim punctato-striatis, parte superiori lutescente-albâ fuscescente partim tinctâ, infra castaneo-fuscd albipunctatâ; columellâ quinqueplicatâ; labro intus supernè sinuato.*

Conch. Icon., *Mitra*, pl. 22. f. 175.

*Hab.* Australia and island of Annaa, Pacific Ocean (found at the latter place on the reefs); Cuming.



This species may be recognised by its peculiarity of colouring, the upper portion of the whorls being nearly white, stained just here and there with brown, the lower chestnut-brown speckled with white dots.

*MITRA PROSCISSA.* *Mitr. testâ oblongo-ovatâ, utrinque attenuatâ, spiræ anfractibus contiguâ, suturis impressis; transversim undique liratis, liris latiusculis, obtuso-convexis, confertis, interstitiis angustis, subtilissimè cancellatis; albidd, maculis aurantio-fuscescentibus bifasciatim tinctâ.*

Conch. Icon., *Mitra*, pl. 22. f. 177.

*Hab.* — ?

It may be as well to caution the reader against confounding this shell with the *Mitra ferruginea*, a name which I have seen erroneously attached to it in one or two important collections.

*MITRA ROTUNDILIRATA.* *Mitr. testâ oblongo-ovatâ, utrinque attenuatâ, transversim undique liratâ, liris rotundis, confertis, interstitiis angustis, striis elevatis decussatis; aurantio-castanè; columellâ quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 23. f. 178.

*Hab.* — ?

The ridges of this shell are peculiarly rounded, and impart a kind of crimped appearance to the lip.

*MITRA RUPPELLII.* *Mitr. testâ fusiformi-ovatâ, basim versus leviter contractâ, transversim undique liratâ, liris subrotundis, interstitiis lævibus; castaneo-fuscâ; columellâ quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 23. f. 179.

*Hab.* Red Sea; Rüppell.

An interesting species, in which the ridges are almost as rounded as in the former; they are however wider apart, and the interstices are not crossed with raised striæ.

*MITRA TICAONICA.* *Mitr. testâ ovatâ, crassâ, solidâ, spirâ brevi, suturis profundis; anfractibus transversim undique exiliter sulcatis, juxta suturas læviusculis; spadiceo-brunnæ, aperturæ fauce vivide purpureo-fuscâ; columellâ quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 23. f. 181.

*Hab.* Island of Ticao, Philippines (found on the reefs at low water); Cuming.

A very characteristic stout solid species, with a dark purple-brown richly-enamelled mouth.

*MITRA PLANILIRATA.* *Mitr. testâ oblongo-ovatâ, spirâ subacuminatâ, transversim undique sulcatâ, liris intermediis peculiariter planulatis; fuscâ; columellâ quadriplicatâ.*

Conch. Icon., *Mitra*, pl. 23. f. 184.

*Hab.* — ?

This species may be easily distinguished from those which it so nearly resembles in general appearance by its peculiarly flattened ridges.

*MITRA PEREGRINA.* *Mitr. testâ oblongo-ovatâ, spirâ subobtusâ;*

*transversim fortiter sulcatá, sulcis pertusis; rubidá, liris transversis profusè albinaculatis; columellá quinqueplicatá.*

Conch. Icon., *Mitra*, pl. 24. f. 186.

*Hab.* Island of Masbate, Philippines (found under stones at low water); Cuming.

This species, which appears to be figured by Kiener for the *Mitra nucleola*, may be connected by a series of intermediate varieties with the *Mitra cucumerina*.

**MITRA ASTRICATA.** *Mitr. testá oblongo-ovatá, basi truncatá; anfractibus lævibus, cinereo-fuscis, fasciá albidá infra suturam, lineisque fuscescentibus parallelis crebris undique cinctis; columellá quadriplicatá; labro subeffuso.*

Conch. Icon., *Mitra*, pl. 24. f. 188.

*Hab.* — ?

The entire surface of this shell is enlaced with fine brown lines.

**MITRA SINENSIS.** *Mitr. testá cylindraceo-oblongá, crassá, spirá brevissimá, acutá; transversim crebriliratá, liris angustis, prominentibus, granosis, lineisque longitudinalibus impressis exilibus decussatá; fuscá; columellá decemplicatá, callositate conspicuá supernè armatá; intus fuscá, nitidè encausticá.*

Conch. Icon., *Mitra*, pl. 24. f. 190 b.

*Mitra crenulata* (pars), Kiener, Icon., f. 105 a.

*Hab.* Coast of China.

This fine species, though one of great rarity, has been probably confounded hitherto with the *Mitra crenulata*, an error into which I had myself fallen, until the arrival of a magnificent specimen most liberally forwarded to me for inspection by M. Gruner of Bremen, and which has been invaluable as the means of establishing a new and very important species. It differs entirely from the *Mitra crenulata*, independent of colouring and size, in the character of its sculpture, whilst the columella has an additional number of plaits and is armed with a remarkable callosity at the summit.

**MITRA GLANS.** *Mitr. testá ovatá, subcylindraced, supernè obesá, crassá, solidá, spirá brevissimá, partim occultá; longitudinaliter obtuso-costellatá, costellis fortiter granulosis; vividè aurantio-fuscá, granulis albidis, intus albá; columellá octoplicatá.*

Conch. Icon., *Mitra*, pl. 24. f. 191.

*Hab.* Island of Masbate, Philippines (found on the reefs at low water); Cuming.

Characterized by its very distinctly granulated sculpture, and by its short obese form.

**MITRA UNDULOSA.** *Mitr. testá cylindraceo-ovatá, crassá, spirá brevissimá; læviusculá, lineis exiliter impressis undique cinctá; albá, lineis fuscis cingulatá, undulisque fuscis angustis longitudinalibus variegatá; columellá octoplicatá.*

Conch. Icon., *Mitra*, pl. 24. f. 192.

*Hab.* Island of Ticao, Philippines (found among coral sand on the reefs at low water); Cuming.

The lineated character of the painting is so different from that of

the *M. crenulata*, that I cannot refrain from separating it as a distinct species.

**MITRA NANUS.** *Mitr. testá abbreviato-ovatá, spirá brevi, acutá, transversim undique sulcatá, sulcis basin versus profundioribus; rubido-fuscá, balteo angusto flavicante, peculiariter albimaculato, cinctá; columellá quadriplicatá.*

Conch. Icon., *Mitra*, pl. 24. f. 193.

*Hab.* — ?

Distinguished by its narrow yellow belt, which has a peculiar white knotted appearance.

**MITRA PORPHYRITICA.** *Mitr. testá obeso-ovatá, basi subgranosá, spirá acutè turrítá; longitudinaliter plicato-costatá, costis angulatis; anfractibus supra albicantibus, infra olivaceo-cinereis, albi-zonulatis; columellá quadriplicatá; aperturá brevi.*

Conch. Icon., *Mitra*, pl. 25. f. 195.

*Hab.* Island of Ticao, Philippines (found under stones at low water); Cuming.

A short stout species, with a sharp angularly turreted spire, encircled with bands of a peculiarly livid olive-ash-colour.

**MITRA VIRGATA.** *Mitr. testá oblongo-ovatá, spirá brevi, apice acuminatá; levigatá, nitidá, basin versus impresso-striatá; niger-rimo-fuscá, virgis albis longitudinalibus flexuosis, interdum medio interruptis, ornatá, anfractu ultimo zonulá pallidá angustá nonnunquam supernè cingulato; columellá quadriplicatá; labro medio contracto, supernè sinuato.*

Conch. Icon., *Mitra*, pl. 25. f. 197 *a* and *b*.

*Mitra retusa*, var., Gray; Zool. Beechey's Voyage.

*Hab.* Island of Luzon, Philippines (found under stones and in crevices of rocks); Cuming.

This species is exactly intermediate between the *Mitra paupercula* and *retusa*.

**MITRA CHRYSALIS.** *Mitr. testá ovatá, spirá brevi, subretusá; transversim undique sulcatá; fuscá aut fuscescente, anfractu ultimo maculis interruptis medio uniseriatim cincto; columellá quadriplicatá; labro medio contracto.*

Conch. Icon., *Mitra*, pl. 25. f. 200.

*Hab.* — ?

May be distinguished from the young of the *Mitra cucumerina* by its peculiarly contracted lip.

**MITRA CONCINNA.** *Mitr. testá ovatá, basi contractá, spirá turrítá; anfractibus supernè angulatis, longitudinaliter costatis, costis angulum super granoso-mucronatis, liris parvis obtusis transversim decussatis; liris transversis vividè luteis, interstitiis nigricante-castaneis; columellá quadriplicatá.*

Conch. Icon., *Mitra*, pl. 26. f. 203.

*Hab.* Island of Masbate, Philippines (found under stones at low water); Cuming.

A bright prettily painted species, very closely approximating in form and sculpture to the *Mitra crocata*.

**MITRA VENUSTULA.** *Mitr. testá ovatá, spirá acuminatá, anfractibus convexis, longitudinaliter granoso-costatis, vividè luteis, zonulis angustis nigerrimo-castaneis duabus tribusve cingulatis; columellá quadriplicatá.*

Conch. Icon., *Mitra*, pl. 26. f. 204.

*Hab.* Island of Masbate, Philippines (found under stones at low water); Cuming.

The whorls of this species have not the same angular structure as those of the preceding, nor are the ribs granosely pointed at the upper extremity.

**MITRA FLAVESCENS.** *Mitr. testá ovatá, spirá subacuminatá, anfractibus longitudinaliter costatis, costis supernè subnodosis, liris granosis decussatis; flavescente, zoná fuscá medio albilineatá cinctá; columellá quadriplicatá.*

Conch. Icon., *Mitra*, pl. 26. f. 207.

*Hab.* Island of Masbate, Philippines (found under stones at low water); Cuming.

Allied to the preceding species by its style of sculpture, but differing in form and pattern of colouring.

**MITRA VARIATA.** *Mitr. testá ovatá, basi contractá, spirá turritá; anfractibus supernè angulatis, longitudinaliter costatis, costis latiusculis, obtuso-prominentibus, interstitiis transversim impresso-striatis; luteá, ustulato-fusco variè fasciatá et lineolatá; columellá quadriplicatá.*

Conch. Icon., *Mitra*, pl. 26. f. 209.

*Hab.* — ?

This shell exhibits a beautiful variation of colour; the ribs are not crossed with granose ridges, like those of the *Mitræ concinna*, *crocata*, and *flavescens*, but have the interstices engraved with fine impressed striæ.

**MITRA AFFINIS.** *Mitr. testá ovatá, spirá acuminato-turritá; anfractibus longitudinaliter obtuso-costatis, costis liris planiusculis transversis decussatis; aurantio-rubrá, fasciá luteo-albicante cingulatá; columellá quadriplicatá.*

Conch. Icon., *Mitra*, pl. 26. f. 211.

*Hab.* Island of Masbate, Philippines (found under stones at low water); Cuming.

The specific differences of this shell are not of an unimportant character; the cross ridges are somewhat flattened, the white band is broader, and the granules are of the same uniform colour as the ground.

**MITRA TURBEN.** *Mitr. testá oblongo-ovatá, basi attenuatá, spirá obtuso-rotundatá, suturis subprofundis; longitudinaliter creberrimè plicato-costellatis, costellis interstitiisque transversim impresso-striatis; aurantio-lutescente; columellá quinqueplicatá, plicis prominentibus; aperturá intus striatá.*

Conch. Icon., *Mitra*, pl. 27. f. 213.

*Hab.* Philippine Islands (found under stones at low water); Cuming.

It is a curious fact that the whole of the specimens of this species collected by Mr. Cuming have the lower portion of the lip broken away.

MITRA CITRINA. *Mitr. testâ ovato-conicâ, supernè rotundatâ, solidiusculâ, spirâ brevi, apicem versus subtiliter sulcatâ, apice elato, acuto; lævigatâ, aurantio-citrinâ, livido-castaneo variè tinctâ; columellâ quinqueplicatâ; aperturâ longissimâ.*

Conch. Icon., *Mitra*, pl. 27. f. 215 a and b.

*Hab.* — ?

A new and very remarkable Cone-like species, in the collection of Thomas Lombe Taylor, Esq., of Starston, Norfolk.

#### LINNÆAN SOCIETY.

March 18, 1845.—E. Forster, Esq., V.P., in the Chair.

Read "Remarks on the Examination of some Fossil Woods which tend to elucidate the structure of certain tissues in the recent Plant." By Edwin John Quekett, Esq., F.L.S. &c. &c.

The structures which Mr. Quekett proposes to elucidate are the fibres of spiral vessels and the dots of the woody fibres of *Conifera*.

On the first head he states, that in the examination of a specimen of fossil Palm-wood, he observed that a portion of it readily broke down into minute fragments, which, on examination under the microscope, were seen to be composed of cylinders more or less elongated and minute rounded granules. Round the cylinders was wound a perfect screw (with either a single or compound helix) undoubtedly fashioned from the interior of the spiral vessel, and affording the most satisfactory evidence that the spiral fibre is really formed in the interior of the vessel, as most recent observers have maintained.

On the second point, the nature of the dots on the woody fibres of *Conifera*, Mr. Quekett's observations derived from fossils also confirm the views now most generally entertained by microscopic observers of the recent structures. In a specimen of fossil wood from Fredericksberg in Virginia, received from Prof. Bailey, which was easily broken into minute fragments in the direction of the woody fibres, he found a beautiful example of casts of woody tissue with numerous spirals traversing the interior. At various parts were seen arranged the ordinary coniferous dots, to the outside of which (projecting beyond the outline of the fibre when seen obliquely) adhered small bodies of the same size which bore the precise representation of the coniferous disc, and were evidently casts of cavities existing in the original plant: some of these were also seen detached. These appearances, Mr. Quekett states, prove the correctness of the modern belief, that the discs are formed by depressions on the outside of the walls of two contiguous fibres, giving rise to cavities of a lenticular form.

Mr. Quekett concludes his paper with some observations on the process of silicification in its various stages and modifications; and